

Rahul M. Dodhia
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EDUCATION:

- 10 / 2000 Ph.D. in Psychology, **Columbia University**
• Dissertation topic - "Subjective Judgments of Likelihood Evidence" (David H. Krantz, advisor)
- 10 / 1998 M.Phil. in Psychology, **Columbia University**
• Mathematical models of memory; Judgment and decision-making.
- 10 / 1998 M.A. in Psychology, **Columbia University**.
• Thesis topic - "Source Monitoring in Distributed Memory Models" (Janet Metcalfe, Advisor)
- 5 / 1994 B.A. with High Honors in Mathematics, Minor in Economic, **Brandeis University**
• Summa Cum Laude
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AWARDS & HONORS:

- Columbia University*
- 1997 • Graduate School of Arts and Sciences Research Award
- 1995 • 5-year Faculty Fellowship
- Brandeis University, Waltham, MA.*
- 1994 • Robert Shapiro prize in Mathematics
- Phi Beta Kappa
- 1990 • Awarded 4-year University Grant by Brandeis University
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EXPERIENCE:

Columbia University, New York, NY.

- 9 / 2000 - **Post-doctoral Research Scientist**, Department of Psychology
- 6 / 2001 • Design and execute decision-making experiments.
 • Direct team of research assistants
- 9 / 2000 - **Post-doctoral Fellow**, Quantitative Methods in Social Sciences
- 5 / 2001 • Advised Master's students about research and career issues.
 • Taught statistics classes to Master's students.
- 3 / 1999 - **Research Consultant**
- Present • Design human-computer interfaces and animal-computer interfaces for computer controlled studies.
 • Develop mathematical models to explain behavioral and cognitive data collected in surveys and experiments.
 • Created formal, written reports and multimedia presentations on current research, for audiences of 4 to 500 people.
 • Direct team of research assistants
- 9 / 1998 - **Statistical Consultant**
- Present • Provide consulting services in statistics and scientific methods to all Columbia University researchers.
 • Devise data analysis methods (regression, bootstrapping, neural networks, etc.) with advanced statistical software.

9 / 1995 - **Website Designer**
Present • Program websites for organizations (Columbia Bartending Agency, academic departments, etc.).

New York State Psychiatric Institute (NYSPI)

9 / 1996 - **Research Technician**, Biological Studies Unit
9 / 1997 • Collected data from brain imaging studies.

Brandeis University, Waltham, MA.

9 / 1990 - **Library Assistant and Tutor**
5 / 1994 • Tutored students in Real/Complex Analysis and Abstract Algebra courses.
• Maintained database of library holdings; performed all duties in the circulation department.

TEACHING EXPERIENCE:

7/2000 **Teacher**, Columbia University High School Program
• Taught college level math to ambitious high school students.

1 / 1997 - **Tutor**, Columbia University Translating and Tutoring Agency
Present • One-on-one tutoring in Mathematics, Statistics and the Internet.

9 / 1995 - **Teaching Assistant**
12 / 1999 • Science of Psychology (Herb Terrace)
• Behavioral Neuroscience (Jon Horvitz)
• Research Methods and Statistics II (David Krantz)
• Introduction to Mathematical and Statistical Methods (for graduate students, Norma Graham and David Krantz)
• Cognition (Janet Metcalfe).

5 / 1994 - **Teaching Fellow** at Phillips Academy, Andover, MA.
8 / 1995 • Taught Precalculus and Calculus.
• Coached Squash.
• Supervised 40-member dormitory.

RESEARCH GRANTS:

1999 - 2002 NSF, SBR 98-18849 (Evidence and uncertainty in human reasoning), David H. Krantz, Principal Investigator; Rahul M. Dodhia, Graduate Research Assistant.

1995-1999 4-time recipient of Psychology Department Research Grant, Columbia University.

PUBLICATIONS:

Dodhia, R.M., and Metcalfe, J. (1999). *False memories and source monitoring*. Journal of Cognitive Neuropsychology., 16 (3-5), p.489-508.

Dodhia, R. M., & Metcalfe, J. (1999). False memories and source monitoring. Cognitive Neuropsychology, 16(3/4/5), 489-508.

Gelman, A., Pasarica, C., and Dodhia, R.M. (submitted) *Let's practice what we preach: turning tables into graphs in statistics papers*.

Dodhia, R.M., Burhans, K., and Krantz, D.H. (In preparation). *Measuring the effects of uncertainty and delay*.

Dodhia, R.M., Miller, G., and Krantz, D.H. (In preparation). *Subjective strength of evidence judgments of likelihood functions*.

TALKS AND PRESENTATIONS:

Invited Presentation, **NASA Ames Research Center, Human Factors Division**, November, 2000. *Mapping likelihood functions to strength of evidence*. Dodhia, R.M.

Cognitive Seminar, **Columbia University**, December, 1999. *Subjective judgments of likelihood evidence*. Dodhia, R.M. and Krantz, D.

Society for Mathematical Psychology, July, 1999. *Judgments of likelihood evidence*. Dodhia, R.M., Miller, G., and Krantz, D.H.

Cognitive Seminar, **Columbia University**, December 1998. *Strength of evidence from likelihoods*. Dodhia, R.M. and Krantz, D.

American Psychological Society, June, 1997. *A Composite Memory Trace Account of Source Monitoring*. Dodhia, R.M. and Metcalfe, J.

Cognitive Seminar, **Columbia University**, April 1997. *A Composite Memory Trace Account of Source Monitoring*. Dodhia, R.M. and Metcalfe, J.

Society for Mathematical Psychology, August, 1996. *Source Monitoring in a composite memory model*. Metcalfe, J. and Dodhia, R.M.

Cognitive Seminar, **Columbia University**, April, 1996. *How do distributed memory models handle source monitoring?* Dodhia, R.M. and Metcalfe, J.

SKILLS:

Computer Software: Windows, Macintosh and Unix operating systems; Excel, Word, PowerPoint, FrontPage, Access, PhotoShop, S+, SAS, SPSS, CodeWarrior, PageMill, Mathematica., C / C++, RealBasic, HTML, JavaScript

Languages: Fluent in Gujarati
Working knowledge of French
Average in Swahili

Professional Affiliations: Member of Society for Mathematical Psychology
Member of Society for Judgment and Decision Making
Member of Cognitive Neuroscience Society

REFEREES:

Dr. David H. Krantz
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Dr. Jon Horvitz
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